



C8051F565-IQR

|                     |                                                                            |
|---------------------|----------------------------------------------------------------------------|
| Part Number:        | C8051F565-IQR                                                              |
| Manufacturer/Brand: | Energy Micro (Silicon Labs)                                                |
| Product description | IC MCU 8BIT 16KB FLASH 32LQFP                                              |
| Datasheets:         | <a href="#">1.C8051F565-IQR.pdf</a><br><a href="#">2.C8051F565-IQR.pdf</a> |
| RoHs Status         | Lead free / RoHS Compliant                                                 |
| Ship From           | Hong Kong                                                                  |
| Shipment Way        | DHL/Fedex/TNT/UPS/EMS                                                      |

REQUEST FOR QUOTATION

Specifications of C8051F565-IQR

|                                  |                                                                                  |
|----------------------------------|----------------------------------------------------------------------------------|
| PART NUMBER                      | C8051F565-IQR                                                                    |
| MANUFACTURER                     | Energy Micro (Silicon Labs)                                                      |
| DESCRIPTION                      | IC MCU 8BIT 16KB FLASH 32LQFP                                                    |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                       |
| DATA SHEET                       | <a href="#">1.C8051F565-IQR.pdf</a><br><a href="#">2.C8051F565-IQR.pdf</a>       |
| VOLTAGE - SUPPLY (VCC/VDD)       | 1.8 V ~ 5.25 V                                                                   |
| SUPPLIER DEVICE PACKAGE          | 32-LQFP (7x7)                                                                    |
| SPEED                            | 50MHz                                                                            |
| SERIES                           | C8051F56x                                                                        |
| RAM SIZE                         | 2.25K x 8                                                                        |
| PROGRAM MEMORY TYPE              | FLASH                                                                            |
| PROGRAM MEMORY SIZE              | 16KB (16K x 8)                                                                   |
| PERIPHERALS                      | POR, PWM, Temp Sensor, WDT                                                       |
| PACKAGING                        | Tape & Reel (TR)                                                                 |
| PACKAGE / CASE                   | 32-LQFP                                                                          |
| OSCILLATOR TYPE                  | Internal                                                                         |
| OPERATING TEMPERATURE            | -40°C ~ 125°C (TA)                                                               |
| NUMBER OF I/O                    | 25                                                                               |
| MOISTURE SENSITIVITY LEVEL (MSL) | 3 (168 Hours)                                                                    |
| MANUFACTURER STANDARD LEAD TIME  | 6 Weeks                                                                          |
| LEAD FREE STATUS / ROHS STATUS   | Lead free / RoHS Compliant                                                       |
| EEPROM SIZE                      | -                                                                                |
| DETAILED DESCRIPTION             | 8051 C8051F56x Microcontroller IC 8-Bit 50MHz 16KB (16K x 8) FLASH 32-LQFP (7x7) |
| DATA CONVERTERS                  | A/D 25x12b                                                                       |
| CORE SIZE                        | 8-Bit                                                                            |
| CORE PROCESSOR                   | 8051                                                                             |
| CONNECTIVITY                     | SMBus (2-Wire/I²C), CANbus, SPI, UART/USART                                      |

Related Tags

|                                           |                                      |                                               |
|-------------------------------------------|--------------------------------------|-----------------------------------------------|
| Energy Micro (Silicon Labs) C8051F565-IQR | C8051F565-IQR Distributor            | C8051F565-IQR Supplier                        |
| C8051F565-IQR Price                       | C8051F565-IQR Pictures               | C8051F565-IQR Image                           |
| C8051F565-IQR PDF Datasheet               | C8051F565-IQR Download Datasheet     | C8051F565-IQR Datasheet                       |
| C8051F565-IQR Stock                       | Buy C8051F565-IQR                    | Buy Energy Micro (Silicon Labs) C8051F565-IQR |
| Energy Micro (Silicon Labs) C8051F565-IQR | Energy Micro (Silicon Labs) Supplier | Energy Micro (Silicon Labs) Distributor       |
| Energy Micro (Silicon Labs) C8051F565-IQR | Energy Micro C8051F565-IQR           | Energy Micro (Silicon Labs) C8051F565-IQR     |
| Silicon Laboratories C8051F565-IQR        | Silicon Labs C8051F565-IQR           |                                               |

Related Products

|                                                                                                                                                              |                                                                                                                                                              |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>C8051F565-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: Out stock</p> <p>RFQ</p>  | <p><b>C8051F567-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: Out stock</p> <p>RFQ</p>  |
| <p><b>C8051F565-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: Out stock</p> <p>RFQ</p>   | <p><b>C8051F564-IQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: Out stock</p> <p>RFQ</p> |
| <p><b>C8051F566-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: Out stock</p> <p>RFQ</p>  | <p><b>C8051F564-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: 17 pcs</p> <p>RFQ</p>     |
| <p><b>C8051F566-IQR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: Out stock</p> <p>RFQ</p> | <p><b>C8051F567-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: Out stock</p> <p>RFQ</p>   |
| <p><b>C8051F565-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: 182 pcs</p> <p>RFQ</p>    | <p><b>C8051F566-IM</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: Out stock</p> <p>RFQ</p>   |
| <p><b>C8051F564-IMR</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32QFN<br/>In stock: Out stock</p> <p>RFQ</p>  | <p><b>C8051F566-IQ</b><br/>Manufacturers: Energy Micro (Silicon Labs)<br/>Description: IC MCU 8BIT 16KB FLASH 32LQFP<br/>In stock: Out stock</p> <p>RFQ</p>  |